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| 11 FECES ANALYSIS | Page 1 of 1 |
| GENERAL DOCUMENTATION AND EVIDENCE HANDLING REQUIREMENTS – FORENSIC BIOLOGY SECTION PROCEDURE MANUAL, SECTION I | Issue No. 4 |
| | Effective Date: 1-October-2006 |
| <p>11 FECES ANALYSIS</p> <p>11.1 Preserve a portion of the fecal stain as appropriate.</p> <p>11.2 Working with only one item at a time to avoid sample mix-up and/or contamination, examine the item for visible stains and describe the item and the appearance, size, and location of stains. Diagrams and/or photographs may be helpful. The detection of a characteristic fecal odor may also be helpful.</p> <p>11.3 If stain size allows, perform Edelman’s Test on stains/stained areas, record and report results. Do not consume the sample performing the Edelman’s Test if DNA analysis will be performed.</p> <p>11.4 If appropriate, examine stain(s) for possible mixtures of physiological fluids (blood, semen or urine), and record and report results.</p> <p>11.5 As appropriate, conduct DNA PCR-based typing on stains (i.e., smears, swipes, etc.). DNA PCR-based typing will not be conducted on “whole” fecal samples or other samples heavily contaminated with fecal material.</p> <p>11.5.1 Conduct DNA PCR-based typing, record results, and report results and conclusions after comparing the profile(s) obtained to the appropriate known sample profiles. If a suspect is eliminated, but a profile believed to be that of the perpetrator is identified, conduct a DNA Data Bank search for a “match” to the profile, and report the results of the search.</p> <p>11.5.2 Conduct DNA PCR-based typing in the absence of a suspect (no suspect case), record results, conduct a DNA Data Bank search for a “match” to a profile believed to be that of the putative perpetrator, and report the results of the search.</p> <p>11.5.3 When a case has a listed suspect but no known has been submitted conduct DNA PCR-based typing, record results, and conduct a DNA Data Bank search for a “match” to a profile believed to be that of the putative perpetrator. Report results and request the submission of appropriate known samples.</p> <p>11.6 If appropriate, forward evidence to another section for analysis.</p> <p>11.7 Return evidence to the primary examiner or to security for final disposition.</p> <p style="text-align: right;">◆END</p> | |